

Art Unit: 1652

**APPENDIX A**

## RESULT 1

AAW30483

ID AAW30483 standard; protein; 155 AA.

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AC AAW30483;

XX

DT 14-APR-1998 (first entry)

XX

DE Flea saliva protein fspI (Pfspi155).

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KW Flea saliva protein; fspI; allergic dermatitis; allergy; therapy;

KW diagnosis; antibody; Pfspi155.

XX

OS Ctenocephalides felis.

XX

PN WO9737676-A1.

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PD 16-OCT-1997.

XX

PF 10-APR-1997; 97WO-US005959.

XX

PR 10-APR-1996; 96US-00630822.

XX

PA (HESK-) HESKA CORP.

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PI Hunter SW, Sim G, Weber ER;

XX

DR WPI; 1997-512409/47.

DR N-PSDB; AAT92823.

XX

PT New flea saliva proteins - useful for treating allergic dermatitis and as  
PT diagnostic reagents.

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PS Claim 2; Page 146-147; 179pp; English.

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CC This polypeptide comprises a non-full-length flea saliva protein (FSP),  
CC denoted Pfspi155, that can be used to treat allergic dermatitis. Its  
CC amino acid sequence was deduced from nucleic acid nfspi1007 (see  
CC AAT92823). Claimed FSP polypeptides (see also AAW30480, AAW30484,  
CC AAW30486-87 and AAW30488-91) can be expressed in host cells. The  
CC proteins, or their fragments or mimetopes, are used in claimed methods  
CC for treating allergic dermatitis in animals, to determine if an animal is  
CC susceptible to, or has, allergic dermatitis, and to desensitise a host  
CC animal to allergic dermatitis, as well as to monitor progress or effects  
CC of treatment. Also contemplated is the in vivo expression of FSPs. FSPs  
CC can also be used to raise antibodies useful as immunoassay reagents and  
CC for passive immunisation

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SQ Sequence 155 AA;

Query Match 99.2%; Score 882; DB 2; Length 155;

Best Local Similarity 99.4%; Pred. No. 2.2e-72;

Matches 154; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy      1 WKVNNKCTSGGKNQDRKLDQIIQKGQQVKIQNICKLIRDKPHTNQEKEKCMKFCKKVCKG 60
         |||
Db      1 WKVNNKCTSGGKNQDRKLDQIIQKGQQVKIQNICKLIRDKPHTNQEKEKCMKFCKKVCKG 60

Qy     61 YRGACDGNICYCSRPSNLGPDWKVSKECKDPNNKDSRPTEIVPYRQQLAIPNICKLKNSE 120
         |||
Db     61 YRGACDGNICYCSRPSNLGPDWKVSKECKDPNNKDSRPTEIVPYRQQLANPNICKLKNSE 120

Qy    121 TNEDSKCKKHCKEKCRCGGNDAGCDGNFCYCRPKNK 155
         |||
Db    121 TNEDSKCKKHCKEKCRCGGNDAGCDGNFCYCRPKNK 155
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